

Cylinder head - exploded view of components



Note

Illustration shows left cylinder head.

1 - 20 Nm

2 - Lifting eye

3 - O-ring

- ☐ Renew

4 - Hall sender

- ☐ Cylinder bank 1 (right-side)
Hall sender -G40-
- ☐ Cylinder bank 2 (left-side) Hall
sender 2 -G163-

5 - 9 Nm

6 - O-ring

- ☐ Renew

7 - Camshaft control valve

- ☐ Cylinder bank 1 (right-side)
camshaft control valve 1 -
N205-
- ☐ Cylinder bank 2 (left-side) -
camshaft control valve 2 -
N208-

8 - 2.5 Nm

9 - Seal

- ☐ Renew if damaged or leaking

10 - Filler cap

11 - Special bolt, 9 Nm

- ☐ Renew if damaged or leaking
- ☐ Note correct sequence when
tightening → [Anchor](#)

12 - Cylinder head cover

- ☐ Removing and installing cylinder head cover (left-side) → [Chapter](#)
- ☐ Removing and installing cylinder head cover (right-side) → [Chapter](#)

13 - Gasket for cylinder head cover

- ☐ Renew if damaged or leaking

14 - Cylinder head bolt

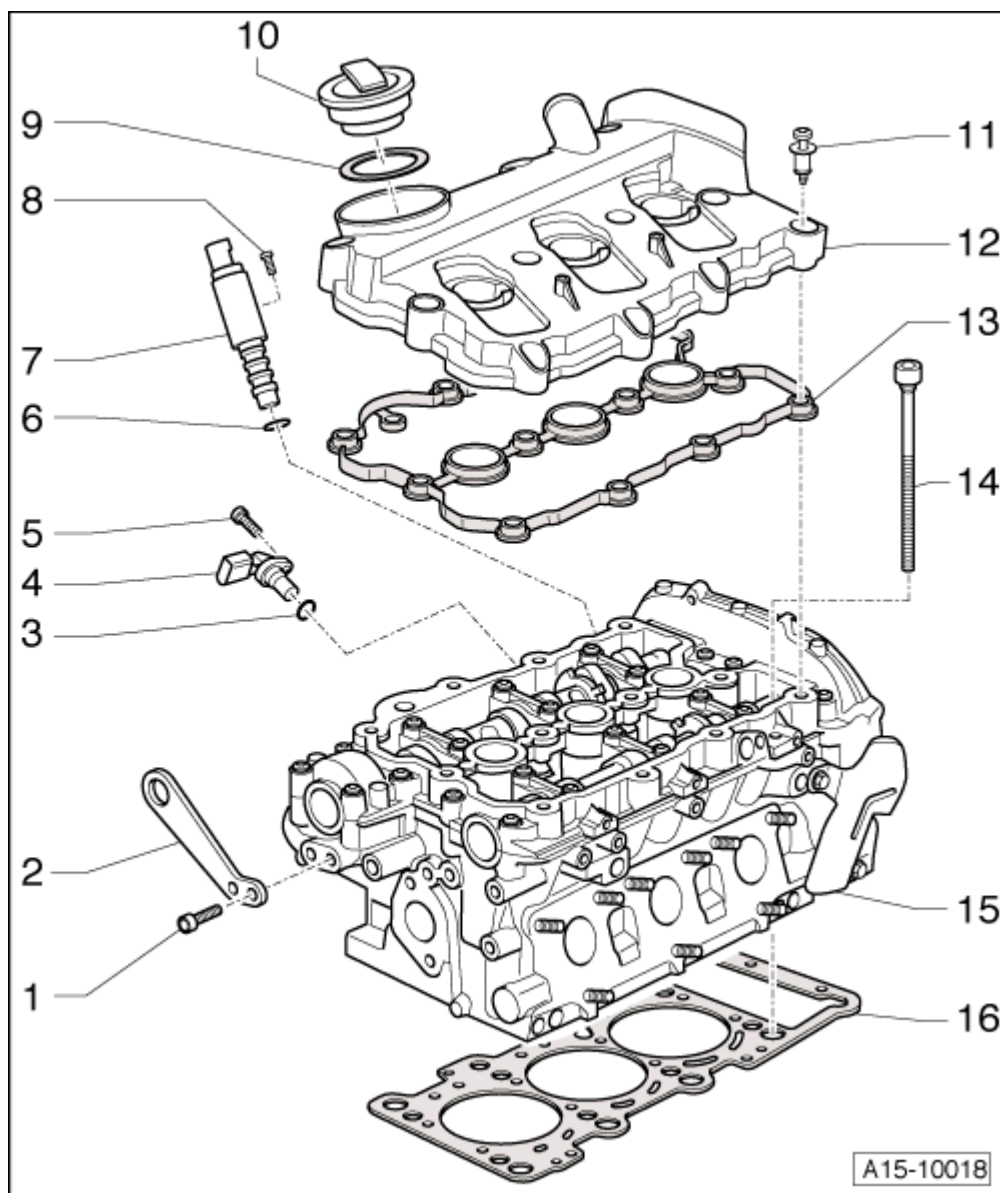
- ☐ Renew
- ☐ Note correct sequence when loosening → [Anchor](#)
- ☐ Note correct sequence when tightening → [Anchor](#)

15 - Cylinder head

- ☐ Removing → [Chapter](#)
- ☐ Checking for distortion → [Fig.](#)
- ☐ Machining limit → [Fig.](#)
- ☐ Installing → [Anchor](#)
- ☐ If renewed, change coolant and engine oil

16 - Cylinder head gasket

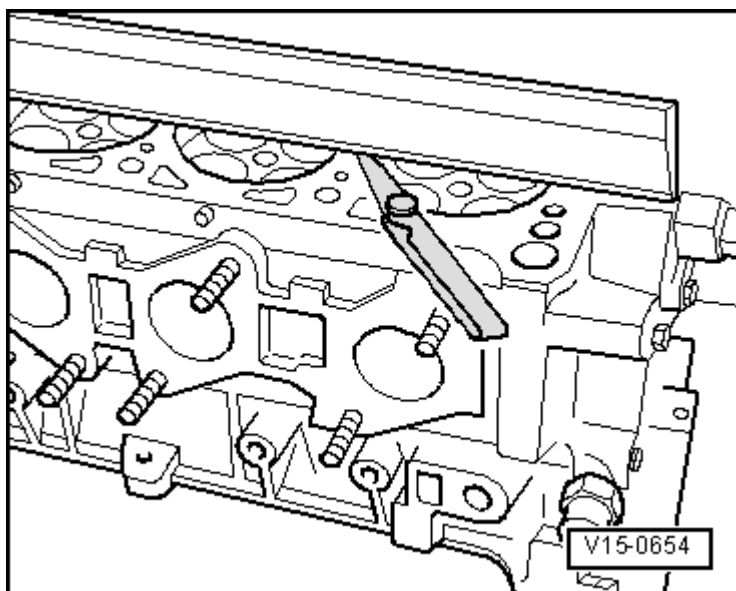
- ☐ Renewing → [Chapter „Removing and installing cylinder head“](#)



- ❑ Installation position: Part No. towards cylinder head
- ❑ If renewed, change coolant and engine oil

Checking cylinder head for distortion

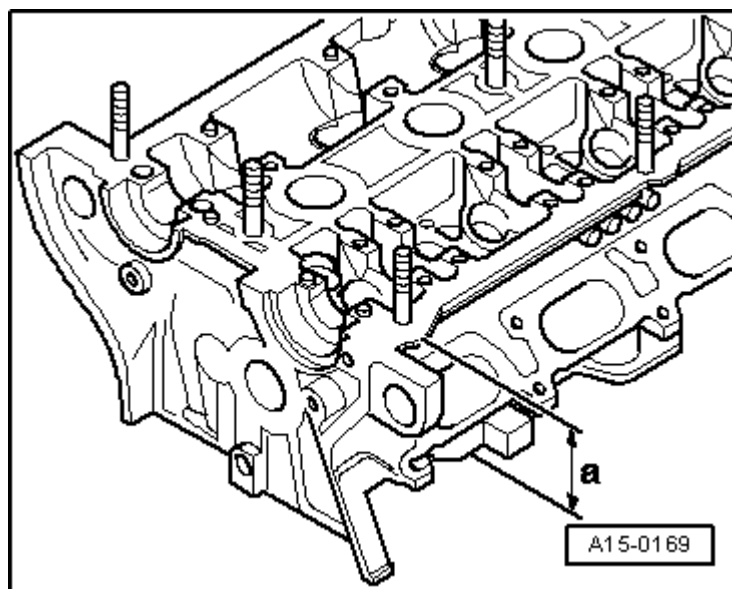
- Use straight edge and feeler gauge to measure for distortion at several points.
- Max. distortion: 0.05 mm



Cylinder head machining limit

Machining of the cylinder head (surface grinding) is only permissible down to the minimum dimension -a-.

- Minimum dimension: -a- = 139.20 mm



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